AUTODOC CLUB

How to change lambda sensor on **Toyota Yaris Mk2** – replacement guide

VIDEO TUTORIAL

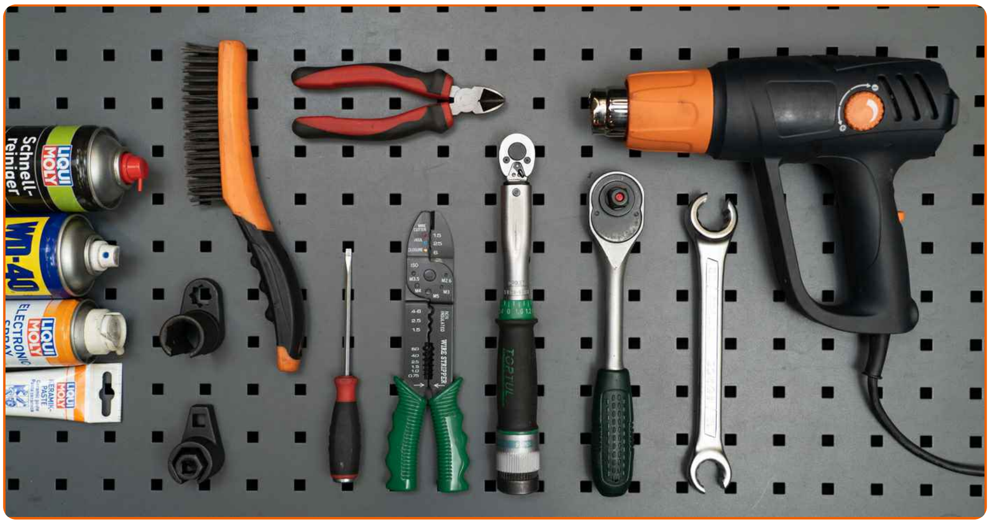


Important!

This replacement procedure can be used for:
TOYOTA Yaris Hatchback (_P9_) 1.3 4WD (NCP92_), TOYOTA Yaris Hatchback (_P9_) 1.3 VVT-i (NCP90_, SCP90_), TOYOTA AVENSIS Liftback (_T22_) 1.8 (ZZT221_), TOYOTA AVENSIS (_T22_) 1.8 VVT-i (ZZT221_), TOYOTA Avensis Estate (_T22_) 1.8 (ZZT221_), TOYOTA COROLLA (ZZE12_, NDE12_, ZDE12_) 1.6 VVT-i (ZZE121_), TOYOTA COROLLA Estate (_E12J_, _E12T_) 1.6 VVT-i (ZZE121_), TOYOTA COROLLA Saloon (_E12J_, _E12T_) 1.6 VVT-i (ZZE121_), TOYOTA COROLLA Verso (ZDE12_, CDE12_) 1.6 VVT-i (ZZE121_), TOYOTA AVENSIS Saloon (T25) 1.8 (ZZT251_), TOYOTA AVENSIS Estate (T25) 1.8 (ZZT251_), TOYOTA LAND CRUISER (KDJ12_, GRJ12_) 4.0, TOYOTA AVENSIS (T25_) 1.8 (ZZT251_), TOYOTA Yaris Hatchback (_P1_) 1.0 (SCP10_), TOYOTA COROLLA Verso (ZER_, ZZE12_, R1_) 1.6 (ZNR10_), (+ 12)

The steps may slightly vary depending on the car design.

REPLACEMENT: LAMBDA SENSOR – TOYOTA YARIS MK2. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Electronic spray
- High-temperature ceramic grease
- Torque wrench
- Flare nut wrench #22
- 22-mm oxygen sensor socket
- Thread tap
- Ratchet wrench
- Flat screwdriver
- Nippers
- Crimping pliers
- Heat gun
- Fender cover

BUY TOOLS

Replacement: lambda sensor – Toyota Yaris Mk2. AUTODOC experts recommend:

- After replacing the oxygen sensor, clear the trouble code from the electronic control unit and let the ECU adapt itself to the new sensor.
- All work should be done with the engine stopped.
- Please note: all work on the car – Toyota Yaris Mk2 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

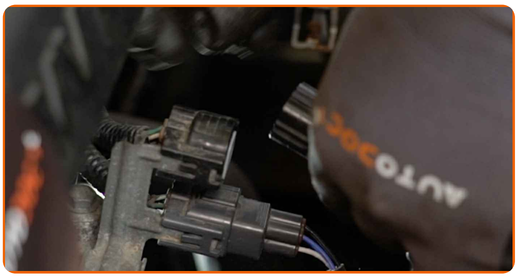
1 Open the hood.



2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.



3 Detach the oxygen sensor connector.



4 Unfasten the clamp to release the oxygen sensor wiring harness. Use a flat screwdriver.



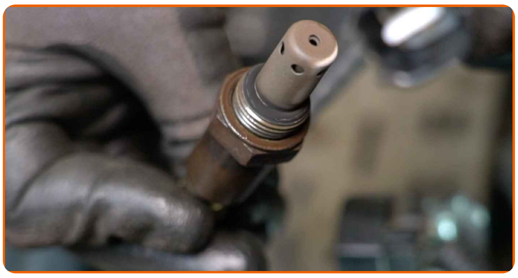
5 Clean the oxygen sensor fastener. Use a wire brush. Use WD-40 spray.



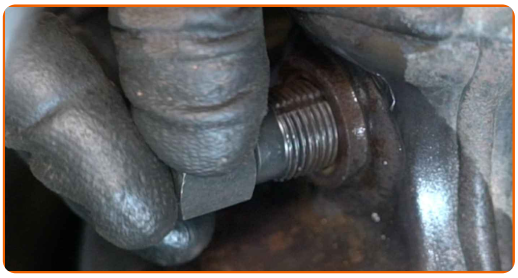
6 Unscrew the oxygen sensor fastener. Use a flare nut spanner #22. Use a ratchet wrench.



7 Remove the oxygen sensor.



8 Cut the thread for the new oxygen sensor. Use a thread tap. Use a ratchet wrench.



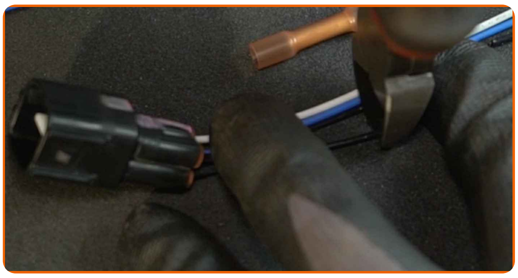
9 Clean the oxygen sensor mounting seat. Use all-purpose cleaning spray.



Replacement: lambda sensor – Toyota Yaris Mk2. Professionals recommend:

- In this case, the connector needs to be removed from the old oxygen sensor and installed on a new one.

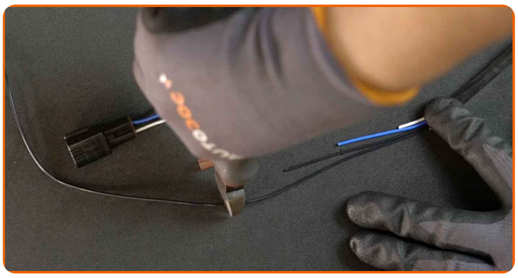
10 Cut off the connector from the old oxygen sensor. Use nippers.



11 Shorten the wires of the old oxygen sensor connector in such a way that each successive wire is shorter than the previous one. Use nippers.



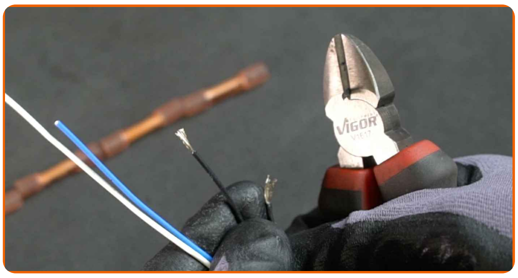
12 Shorten the wires of the new oxygen sensor in a corresponding way. Use nippers.



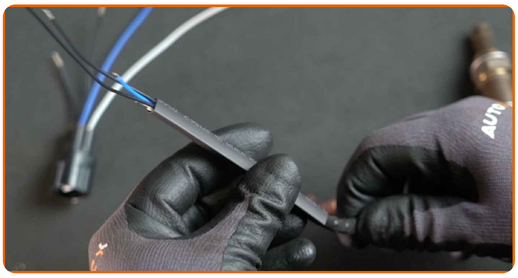
Replacement: lambda sensor – Toyota Yaris Mk2. AUTODOC experts recommend:

- Follow the colour coding of the wires. If it does not match, see the manufacturer's instructions for the correct connection order.

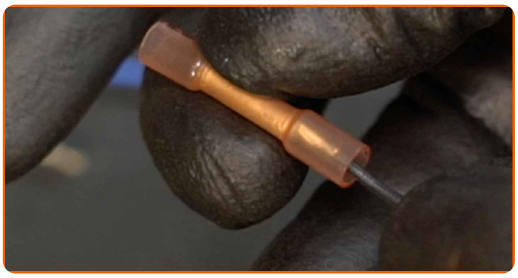
13 Strip the wires of the connector and the new sensor. Use nippers.



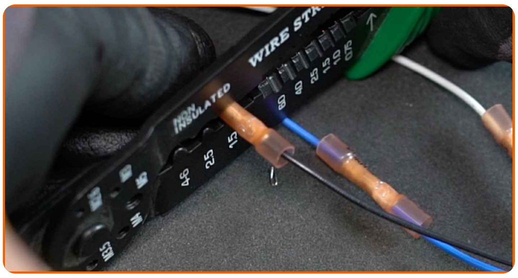
14 Place the heat shrink tubing on the oxygen sensor wiring.



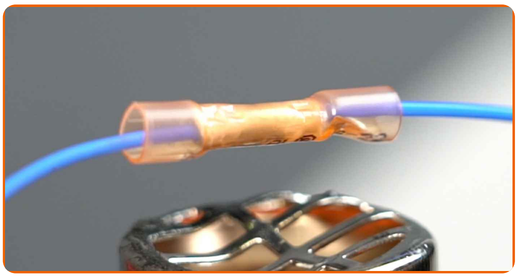
15 Using solder sleeves, splice the oxygen sensor wires with the connector wires according to the colour coding.



16 Crimp the solder sleeves. Use crimping pliers.



17 Shrink the heat shrink tubes of the solder sleeves. Use a heat gun.



18 Slide the heat shrink tubing you put in place earlier over the wire connection.



19 Shrink the heat shrink tube. Use a heat gun.



20 Treat the thread of the new oxygen sensor. Use high-temperature ceramic grease.



21 Install the new oxygen sensor.



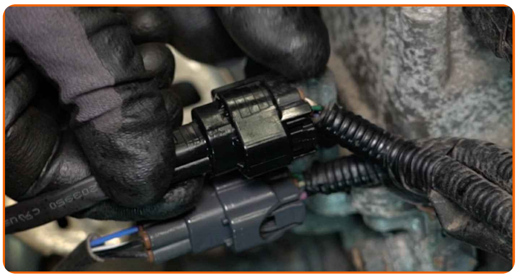
22 Tighten the oxygen sensor fastener. Use a 22-mm oxygen sensor socket. Use a torque wrench. Tighten it to 40 Nm torque.



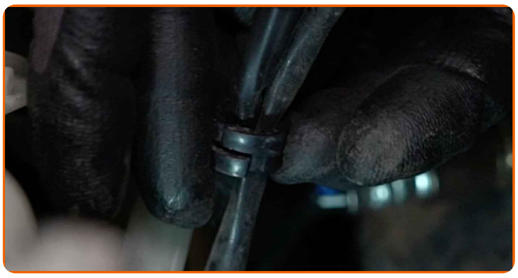
23 Treat the oxygen sensor connector. Use dielectric grease.



24 Attach the oxygen sensor connector.



25 Fasten the oxygen sensor wiring with the clamp.



26 Switch on the ignition.

27 Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.



28 Shut off the engine.

29 Switch off the ignition.

30 Remove the fender protection cover.



31 Close the hood.

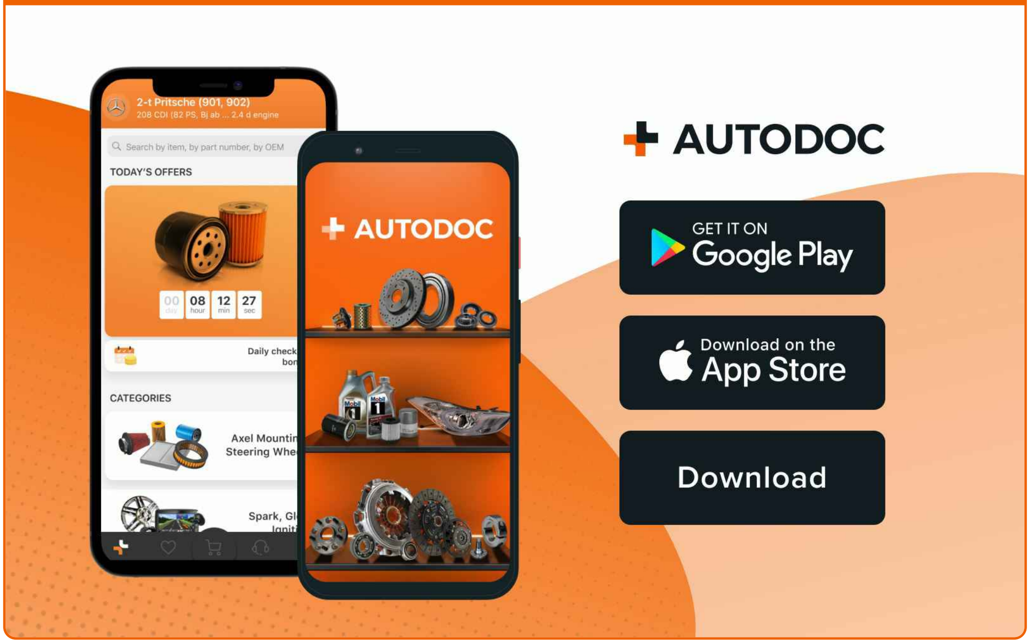


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